

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for producing reduced iron, comprising:
a feedstock-feeding step of feeding a feedstock containing a carbonaceous reductant
and an iron oxide-containing material into a rotary hearth furnace having flow rate-
controlling partitions arranged therein for controlling the flow of furnace gas,
a heating/reducing step of heating the feedstock to reduce iron oxide contained in the
feedstock into reduced iron,
a melting step of melting the reduced iron,
a cooling step of cooling the molten reduced iron, and
a discharging step of discharging the cooled reduced iron,
these steps being performed in that order in the direction that a hearth is moved,
~~wherein the furnace includes flow rate-controlling partitions, arranged therein, for~~
~~controlling the flow of furnace gas and the furnace gas in the cooling step is allowed to flow~~
in the direction of the movement of the hearth using the flow rate-controlling partitions, and
oxidizing gas is prevented from flowing from the discharging step to the cooling step using
the flow rate-controlling partitions.

Claim 2 (Currently Amended): A method for producing reduced iron, comprising:
a feedstock-feeding step of feeding a feedstock containing a carbonaceous reductant
and an iron oxide-containing material into a rotary hearth furnace having flow rate-
controlling partitions arranged therein for controlling the flow of furnace gas,
a heating/reducing step of heating the feedstock to reduce iron oxide contained in the
feedstock into reduced iron,
a melting step of melting the reduced iron,

a cooling step of cooling the molten reduced iron, and
a discharging step of discharging the cooled reduced iron,
these steps being performed in that order in the direction that a hearth is moved,
wherein ~~the furnace includes flow rate controlling partitions, arranged therein, for~~
~~controlling the flow of furnace gas and the pressure of the furnace gas in the melting cooling~~
step is maintained higher than that of the furnace gas in other steps using the flow rate-
controlling partitions.

Claim 3 (Original): The method according to claim 1, wherein the heating/reducing
step is partitioned into at least two zones with one of the flow rate-controlling partitions, one
of the zones that is located upstream of the other one in the direction of the movement of the
hearth has a furnace gas outlet, and the flow of the furnace gas is controlled by discharging
the furnace gas from the furnace gas outlet.

Claim 4 (Original): The method according to claim 3, wherein the flow of the furnace
gas is controlled in such a manner that the heating/reducing step is partitioned into at least
three zones by providing one of the flow rate-controlling partitions at a position that is
located upstream of the furnace gas outlet in the direction of the movement of the hearth.

Claim 5 (Original): The method according to claim 1, wherein at least one of the
partitions has one or more perforations and/or is vertically movable.

Claim 6 (Original): The method according to claim 5, wherein the flow of the furnace
gas is controlled by varying the aperture of the one or more perforations.

Claim 7 (Original): The method according to claim 3, wherein at least one of the partitions has one or more perforations and/or is vertically movable.

Claim 8 (Original): The method according to claim 7, wherein the flow of the furnace gas is controlled by varying the aperture of the one or more perforations.

Claim 9 (Original): The method according to claim 4, wherein at least one of the partitions has one or more perforations and/or is vertically movable.

Claim 10 (Original): The method according to claim 9, wherein the flow of the furnace gas is controlled by varying the aperture of the one or more perforations.

Claims 11-14 (Cancelled).

Claim 15. (New) The method according to claim 2, wherein the pressure of the furnace gas in the cooling step is maintained higher than that of the gas in the feeding step using the flow rate-controlling partitions.